

TROCHIDÆ AND OTHER GENERA OF SOUTH AUSTRALIA, WITH THEIR SYNONYMS.

PART I.

By JOHN BRAZIER, F.L.S., C.M.Z.S., &c.

[Read October 5, 1886.]

1. TROCHUS (CANTHARIDUS) LESUEURI, *Fischer*, sp.  
 1822. *Phasianella elegans*, Lam., Anim. sans Vert., vol. 7, p. 53, No. 4.  
 1843. *Phasianella elegans*, Lam., 2nd edit. (Deshayes), vol. 9, p. 243.  
 \**Trochus elegans*, Kiener Genus Trochus, Coq. Vivantes, pl. 4, 5, fig. 2 (non *Trochus elegans*, Gmelin).  
 1843. *Trochus Lehmanni*, Menke, Moll. Novæ Hollandiæ, p. 18, No. 70 (non *Trochus Lehmanni*, Kiener).  
 1845. *Trochus Lehmanni*, Menke; Philippi in Abbild Besch neuer Conch., vol. 2, heft 2, p. 37, pl. 7. *Trochus*, fig. 2 (non *Trochus Lehmanni*, Kiener).  
 1845. *Trochus Lehmanni*, Menke; Catlow and Reeve, Conchologists' Nomenclator, p. 217, No. 75.  
 †1849. *Trochus pictus*, Philippi in Conch. Cab., 2nd edition, p. 139, No. 166, pl. 23, figs. 18-19 (non *Trochus pictus*, Wood).  
 1851. *Thalotia Lehmanni*, A. Adams, Proc. Zool. Soc., p. 172, No. 4.  
 1873. *Thalotia Lehmanni*, Paetel, Catalog. der Conch.-Sammlung, p. 73.  
 1877. *Thalotia picta*, Tenison-Woods, Papers and Proc. Royal Soc., Tasmania, p. 41.  
 1880. *Trochus Lesueuri*, Fischer; in Kiener Coq. Vivantes, p. 129-420.  
*Hab.*—Coast of Australia (*Peron and Lesueur*); St. Vincent's Gulf, South Australia (*G. F. Angas, W. Bednall, Professor Tate*); Swan River (*Priess*); Cape Riche, King George's Sound

\* The date of publication of Kiener "Spécies général et Iconographie des Coquilles Vivantes" is not given. The date is given in that edited by Dr. Fischer.

† The title-page of the genus *Trochus* in the Conchylien Cabinet is missing in the copy in the Australian Museum. I have only been able to find that the work must have been published about the year 1849-50.

(*Brazier*); Fowler's Bay and Encounter Bay (*Tate*); North Tasmania (*Tenison-Woods*),

This species was described first by Lamarck as *Phasianella elegans*, and placed by Kiener in the genus *Trochus* in his *Coquilles Vivantes*. It is not the *Trochus elegans* of Gmelin, which is the *Trochus purpuratus* of Martyn. *T. elegans* is the *T. Lehmanni*, Menke, and the *Trochus pictus*, Philippi, not of Wood. Dr. Fischer points out in Kiener, page 129, that the figure of *Trochus pictus*, Wood, is very doubtful, and a new specific name being required for Kiener's, he renames it *Trochus Lesueuri*, Fischer. This is the same species that is quoted by the Rev. Tenison-Woods and Mr. Angas as the *Trochus pictus*, Wood.

2. *TROCHUS (THALOTIA) CONICUS*, Gray, sp.,

1827. *Monodonta conica*, Gray in Captain King's Survey of Australia, Appendix; vol. 2, p. 479, No. 28.
1828. *Trochus pictus*, Wood, Index Testaceologicus, Supplement, p. 17, pl. 5, *Trochus* fig. 28.
- \**Trochus Lehmanni*, Kiener, Coq. Vivantes Genus *Trochus*, pl. 46, fig. 2-2a, (non *Trochus Lehmanni*, Menke).
1843. *Monodonta turrita*, Menke, Moll. Novæ Hollandiæ, p. 15, No. 57.
- †1849. *Trochus conicus*, Gray; Philippi in Conchylien Cabinet, 2nd edition, p. 130, No. 150, pl. 23, fig. 1.
1849. *Trochus turritus* (*Monodonta*), Menke=*conicus*, Gray, Philippi in Conch. Cabinet, p. 372, index.
1851. *Thalotia picta*, A. Adams, Proc. Zool. Soc., London, p. 172, No. 1.
1854. *Thalotia conica*, Gray; H. and A. Adams, Genera of Recent Mollusca, vol. 1, p. 420, pl. 48, fig. 1.
1854. *Trochus Lehmanni*, Hombron and Jacquinot Voyage au Pôle-Sud (Zoologie), vol. 5, p. 54; Atlas plates, Mollusca, pl. 14, fig. 7-8 (non *Trochus Lehmanni*, Menke).
1854. *Thalotia picta*, H. and A. Adams, Genera of Recent Mollusca, vol. i., p. 420.
1856. *Trochus pictus*, Wood, Index Test Supplement (Hanley's edition), p. 220, pl. v., *Trochus*, fig. 28.
1859. *Trochus (Thalotia) Lehmanni*, Chenu, Manual de Conch., t. 1, p. 359, fig. 2,659 (non *Trochus Lehmanni*, Menke).
1865. *Thalotia picta*, Angas (as of Wood), Molluscan Fauna of South Australia, Proc. Zool. Soc., London, p. 179, No. 148.
1873. *Thalotia conica* (Sowerby!!), Paetel, Catalog der Conch.-Sammlung, p. 73.
1877. *Thalotia picta*, Tenison-Woods (as of Wood), Papers and Proc. Royal Soc., Tasmania, p. 41.
1880. *Trochus conicus*, Fischer, in Kiener Coq. Vivant, p. 135.

1881. *Monodonta turrita*, Menke=*Thalotia conica*, Gray; Tate, Proc. Linn. Soc., N.S.W., vol. 6, p. 394.

*Hab.*—King's Island, Bass Straits (*Peron* and *Lesueur*); New Holland (*Captain King*); St. Vincent Gulf, South Australia (*G. F. Angas*, *W. T. Bednall*); Bass Straits and North-East Tasmania (*Tenison-Woods*, *W. F. Pettard*); Kangaroo Island (*Tate*).

There has been great confusion in reference to this species. It was first of all described by Dr. J. E. Gray as *Monodonta conica* in 1827. In 1828 it is figured and called *Trochus pictus* by Gray or Wood in the Index Testaceologicus. If any naturalist will only examine the figure well in the Index Test: he will at once see the figure shows three small denticulations on the columellar. A number of specimens of the slender form I have from St. Vincent Gulf are true to Wood's fig. in Index Test. Philippi, in the Conchylien Cabinet, makes *Trochus Lehmanni*, Menke, a synonym of *Trochus pictus*, Wood. The *Trochus Lehmanni*, Menke, is the *Trochus Lesueuri*, Fischer, described by Lamarek as *Phasianella elegans*. Kiener also calls it *Trochus Lehmanni*. A. Adams in 1851 comes much nearer than any previous authors, for he quotes it as *Thalotia picta*, Wood, Proc. Zool. Soc., London, and makes *Monodonta turrita*, Menke, its synonym. Philippi, in the Index to the Conchylien Cabinet, quotes Menke's *turritus* as the synonym of *Trochus conicus*, Gray. In 1854 Hombron and Jacquinot give splendid figures of it in the Voyage au Pôle-Sud as *Trochus Lehmanni*. Chenu also figures it as *Trochus Lehmanni*, but it is not the *Trochus Lehmanni* of Menke. Mr. Angas quotes this as *Thalotia picta*, and Tenison Woods does the same. The species they refer to is *Trochus Lesueuri*, Fischer; the *Phasianella elegans*, Lamarek. Paetel erroneously attributes *Trochus conicus* to Sowerby.

### 3. TROCHUS (CANTHARIDUS) PULCHERRIMUS, Gray, sp.

1828. *Trochus pulcherrimus*, Gray; Wood, Index Test. Supplement, p. 18, pl. 6, fig. 45; *Monodonta pulcherrima*, Gray, l.c., p. 44.

1843. *Trochus Preissii*, Menke, Moll. Nov. Hollandiæ, p. 17, No. 69.

1845. *Trochus pulcherrimus*, Wood; Philippi Abbild neuer Conch., vol. 2, heft 2; *Trochus*, p. 37, pl. 7, fig. 1.

†\*1849. *Trochus pulcherrimus*, Wood; Philippi in Martini and Chemn, 2nd edition (Kuster), p. 132, No. 153, pl. 23, fig. 4.

1850. *Trochus pulcherrimus*, Wood; Jay's Catalogue of Shells, 4th edition, p. 306, No. 7,440.

1851. *Thalotia pulcherrima*, Wood; A. Adams, Proc. Zool. Soc., p. 172, No. 2.
1854. *Thalotia pulcherrima*, Wood; H. and A. Adams, Genera of Recent Mollusca, vol. 1, p. 420.
1856. *Trochus pulcherrimus*, Gray; Wood, Index Test. Suppl., Hanley's edition, p. 221, pl. 6, fig. 45; very bad.
1865. *Thalotia pulcherrima*, Wood; Angas, Molluscan Fauna of South Australia, Proc. Zool. Soc., p. 179, No. 151.
1873. *Thalotia pulcherrima*, Wood; Paetel, Catalog. der Conch.-Sammlung, pp. 11-73.
1877. *Thalotia mariæ*, Tenison-Woods, Proc. Royal Soc., Victoria, p. 58.
1877. *Thalotia mariæ*, Tenison-Woods, Papers and Proc. Royal Soc., Tasmania, p. 41.
1881. *Trochus Preissii*, Menke=*Thalotia pulcherrima*, Wood; Tate, P. L. S., N.S.W., vi., p. 396.

*Hab.*—Swan River, Western Australia (*Preiss*); Cape Riche, King George's Sound, south-west coast of Australia (*J. Brazier*); Hobson's Bay and Port Phillip Heads (*Tenison-Woods*); Rossiter Bay, Recherche Archipelago, Great Australian Bight (*Captain Thomas Rossiter*, 1841); Encounter and Fowler's Bay (*Tate*); Holdfast and Aldinga Bays, South Australia (*G. F. Angas*); North Tasmania (*Tenison-Woods*, *W. F. Pettard*, *Lieut. Beddome*).

This well-known species was re-described by the Rev. Tenison-Woods in 1877 as *Thalotia mariæ*—the type specimen he presented to the Australian Museum.

#### 4. TROCHUS (DILOMA) ODONTIS, Gray, sp.

1828. *Trochus odontis*, Gray; Wood, Index Test. Supplement, pl. 6, fig. 37; *Monodonta odontis*, Gray, l.c., p. 44.
- †\*1849. *Trochus odontis*, Wood; Philippi, in Conch. Cab., Martini and Chem., 2nd edition, p. 144, pl. 24, fig. 7.
1851. *Chlorostoma odontis*, A. Ad., Proc. Zool. Soc., p. 182, No. 22.
1854. *Diloma odontis*, Wood; H. and A. Adams, Recent Mollusca, vol. 1, p. 420.
1856. *Trochus odontis*, Gray; Wood's Index Test. Supplement, Hanley's edition, p. 221, pl. 6, fig. 37.
1865. *Diloma odontis*, Wood; Angas, Molluscan Fauna of South Australia, Proc. Zool. Soc., p. 182, No. 173.
1873. *Gibbula odontis*, Wood; Paetel, Cat. der Conch.-Sammlung, p. 75.
1877. *Trochus (Diloma) odontis*, Wood; Tenison-Woods, Proc. and Papers, Royal Soc., Tasmania, p. 43.
1880. *Trochus odontis*, Wood; Kiener, Coq. Vivantes Fischer ed. Trochus, pp. 313-423, No. 180, pl. 99, fig. 1.

*Hab.*—New Holland (*Philippi*); Port Phillip, on the rocks at low water (*Jukes*); St. Vincent's Gulf, South Australia, and Tasmania (*G. F. Angas*); New Holland (*Paetel*); Port Western (*Quoy and Gaimard*); Hobson's Bay, Victoria (*R. C. Rossiter*); Port Sorell, Tasmania (*C. E. Beddome*); Wallaroo, South Australia (*G. T. Rossiter*, 1861); St. Vincent's Gulf, South Australia, on rocks at low water (*Prof. Tate*); St. Kilda Beach, Hobson's Bay, Victoria (*J. H. Gatliff*); Hobson's Bay, Victoria (*G. T. Rossiter*, 1862); Brighton, Victoria (*J. F. Bailey*); Blackman's Bay, Tasman's Peninsula, Port Davey, Swansea, and Tamar Heads, Tasmania (*W. F. Pettard*); Cape of Good Hope (*Hanley*, in Wood's Index Test., 2nd edition).

5. *TROCHUS (DILOMA) ADELAIDÆ*, *Philippi*, sp.

- †\*1849. *Trochus Adelaidæ*, *Philippi* in *Martini and Chem.*, 2nd edition, *Kusters*, p. 140, No. 168, pl. 24, fig. 1.  
 1851. *Gibbula Adelaidæ*, *A. Adams*, *Proc. Zool. Soc.*, p. 186, No. 22.  
 1854. *Oxysteles Adelaidæ*, *H. and A. Adams*, *Genera of Recent Mollusca*, vol. 1, p. 427.  
 1873. *Oxysteles Adelaidæ*, *Phil.*; *Paetel*, *Cat. der Conch.-Sammlung*, p. 74.  
 1876. *Diloma Australis*. *Tenison-Woods*. *Papers and Proc. Royal Society of Tasmania*, p. 145.  
 1877. *Trochus (Diloma) australis*, *Tenison-Woods*, *Papers and Proc. Royal Society of Tasmania*.  
 1880. *Trochus Adelaidæ*, *Phil.*; *Kiener*, *Coq. Vive*, *Fischer ed. Trochus*, p. 210.  
 1884. *Diloma australis*, *Tenison-Woods*; *Hutton*, *Proc. Linn. Society of N.S.W.*, vol. 9, p. 368.

*Hab.*—*Rossiter Bay*, *Recherche Archipelago*, *Great Australian Bight* (*Captain Thomas Rossiter*, 1841); *Rocks at low tide*, *Great Australian Bight* (*Professor Tate*); *St. Vincent's Gulf*, *South Australia* (*W. T. Bednall*); *Adelaide in New Holland* (*Philippi*); *North coast of Tasmania* (*W. F. Pettard*); *Cape Riche*, *King George's Sound* (*Brazier*); *Portland*, *Victoria* (*J. H. Gatliff*).

I have the original specimens of this species, and many others collected by my father-in-law, *Captain Thomas Rossiter*, in 1841. The year that he saved *Mr. John Eyre* (now *Sir John Eyre*) from starvation when on his ever-memorable trip overland from *Adelaide* to *King George's Sound*. Specimens I distributed some years ago as *Trochus Adelaidæ*, *Philippi*, they being identified by the late *Messrs. Henry and Arthur Adams*, but for some unknown reason the *Rev. Tenison-Woods* re-describes it as *Trochus australis*. I have seen it in collections named *Trochus odontis*, *Gray*, var. specimens from *St. Vincent's Gulf* sent by *Mr.*

Bednall some years back as *Trochus odontis?* Wood. I think that Mr. Angas must have mixed up two species in one. He only mentions *Trochus odontis* in his list of the South Australian Mollusca.

6. TROCHUS (*ZIZYPHINUS*) MEYERI, *Philippi*, sp.

1848. *Trochus Meyeri*, Philippi, Zeitscher für Malak, p. 101.  
 †\*1849. *Trochus Meyeri*, Philippi, in Conch. Cab., 2nd edition, p. 279, No. 362, pl. 41, fig. 4.  
 \**Trochus armillatus*, Kiener, Coq. Viv. Genus Trochus, p. 17, fig. 2 (non *Trochus armillatus*, Wood, Index Test).  
 1854. *Trochus levis*, Hombron et Jacquinot Voyage au Pôle Sud, vol. 5, Zoologie, p. 56, atlas plates, Mollusca, pl. 14, fig. 17-18.  
 1863. *Zizyphinus armillatus*, Reeve, Conch. Icon., p. 3, fig. 19 (non *Trochus armillatus*, Wood).  
 1865. *Zizyphinus armillatus*, Angas, Molluscan Fauna of South Australia, Proc. Zool. Soc., p. 180 (non *Trochus armillatus*, Wood).  
 1873. *Zizyphinus armillatus*, Paetel, Catalog. der Conch.-Sammlung, p. 73 (non *Trochus armillatus*, Wood).  
 1873. *Zizyphinus Meyeri* (Dunker!!), Paetel, Catalog. der Conch.-Sammlung, p. 74.  
 1877. *Zizyphinus armillatus*, Tenison-Woods, Papers and Pro. Royal Society of Tasmania, p. 41 (non *Trochus armillatus*, Wood).  
 1880. *Trochus Meyeri*, Philippi; Fischer, in Kiener Coq. Vivantes Genus Trochus, p. 76, No. 10.

*Hab.*—King's Island, Bass Straits (*Peron* and *Lesueur*, Naturalists to Captain Baudin's Expedition); Encounter and Guichen Bays, South Australia (*G. F. Angas*); New Holland (*Hombron* and *Jacquinot*); Tasmania (*Paetel*, *Beddome*, *Woods*, *Pettard*); Australian Sea (*Paetel*); Western Port, inside the West Head (*J. H. Gatliff*); Coast of Australia (*J. Verreaux*).

It is quite a mystery how this species has got confused with the *Trochus armillatus* Wood figured in the Supplement to the Index Testaceologicus, in 1828. The *Trochus Meyeri*, Philippi, is quite distinct both as regards colour and sculpture; the figure given by Reeve as *T. armillatus* is very bad. The figures given by Philippi, Kiener, and Hombron and Jacquinot of this well-known species are not to be surpassed. Paetel erroneously attributes this species to Dr. Dunker.

7. TROCHUS (*CLANCULUS*) DUNKERI, *Koch*, sp.

1843. *Trochus (Monodonta) Dunkeri*, Koch in Philippi, Abbild und Besch neuer oder Conch., vol. 1; Trochus, heft. III., p. 67, pl. 2, fig. 5.

- †1849. *Trochus Dunkeri*, Koch; Philippi in Conch. Cab., 2nd edition, p. 237, No. 300, pl. 36, fig. 5.
1851. *Monodonta Dunkeri*, Koch; A. Adams, Proc. Zool. Soc., p. 174.
1854. *Euchelus Dunkeri*, H. and A. Adams, Genera of Recent Mollusca, vol. 1, p. 419.
1865. *Clanculus rubens*, A. Adams; Angas, Molluscan Fauna of the Province of South Australia, Proc. Zool. Soc., p. 178.
1877. *Clanculus rubens*, A. Adams; Tenison-Woods, Papers and Proc. Royal Society of Tasmania, p. 40.
1880. *Trochus (Clanculus) Dunkeri*, Koch; Kiener, Coq. Vivantes Fischer ed., p. 301 and 422, No. 171, pl. 96, fig. 2.
- Hab.*—? (*Koch*); Adelaide in New Holland (*Philippi*); St. Vincent's Gulf (*G. F. Angas, Tate*); Bass' Straits (*Tenison Woods*); Streaky Bay (*Tate*).

8. *DIALA LAUTA*, *A. Adams*, sp.

1862. *Diala lauta*, A. Adams, Ann. Nat. Hist., vol. 10, 3rd series, p. 298, No. 5.
1865. *Diala lauta*, A. Adams; Angas, Proc. Zool. Society, p. 173, No. 111.
1873. *Diala lauta*, A. Adams; Paetel, Catalog der Conch.-Sammlung, pp. 6-49.
1875. *Diala Punctata*, Tenison-Woods, Paper and Proc. Royal Soc., Tasmania, p. 147.
1875. *Diala lauta*, A. Adams; E. A. Smith, Proc. Zool. Soc., p. 538.
1877. *Diala punctata*, Tenison-Woods, Papers and Proc. Royal Soc., Tasmania, p. 37.

*Hab.*—Port Adelaide (*A. Adams*); St. Vincent's Gulf, in shell sand at the head of Spencer's Gulf, South Australia (*G. F. Angas*); D'Entrecasteaux Channel, South Tasmania (*Rev. H. D. Atkinson*); very abundant on the *Zostera* fields in sheltered stations throughout South Australia (*Tate*).

9. *DIALA MONILE*, *A. Adams*, sp.

1862. *Alaba monile*, A. Adams, Ann. Nat. History, vol. 10, 3rd series, p. 296, No. 17.
1865. *Alaba monile*, A. Adams; Angas, Proc. Zool. Soc., p. 173, No. 109.
1875. *Diala tessellata*, Tenison-Woods, Papers and Proc. Royal Society, Tasmania, p. 147.
1875. *Diala monile*, A. Ad., E. A. Smith, Proc. Zool. Soc., p. 538.
1877. *Diala tessellata*, Tenison-Woods, Papers and Proc. Roy. Soc., Tasmania, p. 37.

*Hab.*—Port Lincoln (*W. Metcalfe, A. Adams*); Port Lincoln, South Australia, in shell sand (*G. F. Angas*); Crookhaven Head, New South Wales, in shell sand found on the beach (*J. Brazier*).

10. *CASSIS SEMIGRANOSA, Lam., sp.*

1822. *Cassis semigranosa*, Lam., Hist. Anim. sans Vert., tome 7, p. 228, No. 23.
1824. *Cassis semigranosa*, Lam., Dubois' Epitome of Lamarek's Arrangement of Testacea, p. 253.
1828. *Buccinum semigranosum*, Wood, Index Test. Supplement, p. 11., pl. iv., fig. 2.  
\**Cassis semigranosa*, Lam.; Kiener ed. Fischer, Icon. Coq. Viv., p. 36, No. 23, pl. 14, fig. 29.
1844. *Cassis semigranosa*, Lam., Anim. sans. Vert. (Deshayes ed.), vol. 10, p. 37.
1845. *Cassis semigranosa*, Lam.; Catlow and Reeve, Conchologists' Nomenclator, p. 263, No. 37.
1848. *Cassis semigranosa*, Lam.; Reeve, Conch. Icon., vol. v., p. 1, species 3.
1850. *Cassis semigranosum*, Lam.; Jay, Catalogue of Shells, 4th edition, p. 345, No. 8,736.
1853. *Semicassis semigranosa*, Lam.; H. and A. Adams, Genera of Recent Mollusca, vol. 1, p. 216.
1856. *Buccinum (Cassis) semigranosa*, Lam.; Hanley, in Index Test. Supplement, 2nd edition, p. 212, pl. 4, fig. 2.
1857. *Cassis semigranosum*, Wood; Küster, in Martini and Chem., 2nd ed., p. 24, pl. 44, fig. 6, 7.
1859. *Cassis (Semicassis) semigranosus*, Lam.; Chenu, Manual de Conch., tome 1, p. 206, fig. 1,124.
1860. *Cassis semigranosa*, Lam.; W. Theobald, Catalogue of the Recent Shells in the Museum Asiatic Society of Bengal, p. 18, No. 10.
1865. *Semicassis semigranosa*, Lam.; Angas, Molluscan Fauna of South Australia, Proc. Zool. Soc., London, p. 168.
1873. *Cassis (Phalium) semigranosa*, Lam.; Paetel, Cat. der Conch.-Sammlung, p. 5-44.
1876. *Cassis semigranosa*, Lam.; Tenison-Woods, Proc. and Papers of the Royal Society of Tasmania, p. 33.
1885. *Cassis (Semicassis) semigranosa*, Wood; Tryon, in Manual of Conchology, vol. 8, p. 275, pl. 3, fig. 60.

*Hab.*—Seas of New Holland (*Lamarek*); Van Diemen's Land (*Reeve*); Seas of New Holland (*Kiener*); Coast of New Holland (*Küster*); Van Diemen's Land (*Hanley*); Aldinga Bay, Encounter Bay, South Australia (*G. F. Angas*); Wallaroo Bay (*Tate*); Tasmania (*Beddome, Petterd, Simson, Woods*).

This well-known species was first described by Lamarek in 1822, mentioned again in 1824 by Dubois, in his Epitome of



Lamarck's Arrangement of the Testacea, in 1824. Wood, in his Index Test. Supplement, 1828, figures it as *Buccinum semigranosum* from specimens in the British Museum. Kiener, in his Coquilles Vivantes, figures it as *Cassis semigranosa*, Lam. Deshayes, Catlow and Reeve, Jay, H. and A. Adams, Hanley, Chenu, Theobald, Angas, Paetel, Tenison-Woods, all quote Lamarck; and after 62 years we are told that Wood is the authority for the species by Mr. Tryon, in his Manual of Conchology, vol. 8, p. 275, 1885, and quotes Reeve, Conch. Icon., for it. Reeve does not quote Wood, but Lamarck, Anim. sans Vert. (Deshayes' edit.), vol. X., p. 37. Küster, in Conchilien-Cabinet, Martini and Chemnitz, 2nd edition, 1857, quotes Wood, and ignores Lamarck. Of all the authorities I have quoted from 1822 until 1885, Küster and Tryon are the only two who have given Wood as the authority—probably an oversight; but it causes endless confusion to young students who have not a large library to consult. I am very often asked who is the authority for the species, Lamarck or Wood. My list drawn up in this paper will show all students the authority for the species.

11. CERITHIUM (POTAMIDES) MONACHUS, Crosse and Fischer, *sp.*  
 1855. *Cerithium dubium*, Sowerby, Thes. Conch., vol. 2, p. 864, No. 2, pl. 181, fig. 120 (non *Cerithium dubium*, Sowerby, Mineral Conch., 1816).  
 1864. *Cerithium monachus*, Crosse and Fischer, Journal de Conch., p. 347, pl. 3, fig. 17-18.  
 1865. *Potamides monachus*, Angas, Molluscan Fauna of South Australia, Pro. Zool. Soc., p. 171, No. 97.  
 1865. *Cerithium dubium*, Sowerby; Reeve, Conch. Icon., pl. 12, species 78 a-b (non Sowerby, 1816).  
 1877. *Cerithium dubium*, (Reeve!!); Tenison-Woods, Papers and Proc. Royal Society, Tasmania, p. 35 (non *dubium*, Sowerby, 1816).  
 1880. *Cerithium eludens*, Bayle, Journal de Conch., vol. 27, 3rd series, p. 245, No. 9.

*Hab.*—Van Diemen's Land (*Sowerby*); Yorke's Peninsula, Adelaide Creek, South Australia (*G. F. Angas*); on the beach at St. Kilda, Melbourne (*G. F. Angas*); occasionally taken alive in shallow water in St. Vincent Gulf, and beach specimens have been gathered at several stations in Spencer Gulf (*Tate*).

Sowerby described in his Mineral Conchology, in 1816, a *Cerithium dubium*. Bayle, in the French Journal, 1880, re-names it as *Cerithium eludens*, not knowing that Crosse and Fischer had described it as *Cerithium monachus* in the same Journal for 1864. Crosse and Fischer's name must stand good.

12. TURBO GRUNERI, *Philippi*.

1846. *Turbo Gruneri*, Philippi in Zeitschrift fur. Malak, p. 98 ;  
Philippi in Martini and Chemnitz Conch. Cab., 2nd  
edition, p. 52, pl. 12, fig. 7.
1848. *Turbo circularis*, Reeve, Conch. Icon, pl. 10, sp. 46.
1854. *Senectus circularis*, Reeve ; H. and A. Adams, Recent  
Mollusca, vol. 1, p. 392.
1865. *Senectus circularis*, Reeve ; Angas, Marine Molluscan  
Fauna of the Province of South Australia, Proc. Zool.  
Soc., p. 177.
1873. *Turbo circularis*, Reeve ; Fischer in Kiener Coq. Vivantes,  
p. 99, pl. 42, fig. 1.
1873. *Turbo (Senectus) circularis*, Reeve ; Paetel Catalog der  
Conch.-Sammlung, p. 71.
- 1877 *Turbo (senectus) circularis*, Reeve ; Tenison-Woods,  
Papers and Proc. Royal Soc., Tasmania, p. 38.
1885. *Turbo curcularis*, Reeve ; Sowerby, Thes. Conch., p. 203,  
sp. 42, pl. 4 ; Thes., plate 496, fig. 37.

*Hab.*—Adelaide, South Australia (*Philippi*); “——?” (*Reeve*);  
St. Vincent’s Gulf, South Australia (*G. F. Angas*); Holdfast  
Bay (*W. T. Bednall, Tate*); King’s Island, Bass Straits (*Teni-  
son-Woods*); Swan River, Australia (*Sowerby*).

I hope soon to give Part II. with a number of species that have  
not been recorded by Mr. G. F. Angas since they were described  
in 1843. Specimens that I have were collected at Port Lincoln.  
I have to thank Professor Tate, Messrs. Bednall, Beddome,  
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